

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	7211	204/403.01,450.ccls. or 435/285.2,285.3,287.1,817.ccls. or 422/50.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:26
L17	3045	"1" and ((patch adj clamp) near5 cell)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:26
L18	92	15 and ((patch adj clamp) near5 cell)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:26
L20	2663	"15" and ((needle or electrode) with (penetrat\$5 or pierc\$5 or punctur\$5) with cell)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:26
L21	11	18 and 20	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:26
L22	28	(edward with conley).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:28
L23	1494	(ge with healthcare).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:28
L24	0	23 and (patch adj clamp)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:28
L25	0	23 and (cell with holding with device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:28
L26	0	23 and (patch with clamp\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:29
L27	0	23 and 22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:29
L28	68836	(ge).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:29
L29	0	28 and 22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:30
L30	5	28 and (patch with clamp\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:30
L31	5	28 and (patch with clamp\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:30
L33	1459	422/82.01,82.02.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:37

L36	92	15 and ((patch adj clamp) near5 cell)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:38
L37	11	36 and ((needle or electrode) with (penetrat\$5 or pierc\$5 or punctur\$5) with cell)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 18:38
S1	0	"435,600,204,128".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/01/26 10:58
S2	0	"435".clas. and "600".clas. and "204". clas. and "128".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/01/26 10:59
S3	230358	"435".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/01/26 10:59
S4	92139	"600".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/01/26 10:59
S5	74786	"204".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/01/26 11:00
S6	47165	"128".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/01/26 11:00
S7	0	S3 and S4 and S5 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/01/26 11:00
S8	435081	S3 or S4 or S5 or S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/01/26 11:00
S9	784	S8 and (electrodes near5 needle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/26 11:00
S10	248	S9 and @py<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/26 11:01
S11	10	S10 and electroporation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/26 11:02
S12	613	needle with multiple with electrodes	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:13
S13	15	needle with multiple with (working or sensing) with electrodes	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:13
S14	233195	"435".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:18
S15	93414	"600".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:18
S16	75272	"204".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:18

S17	47497	"128".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:18
S18	439941	S14 or S15 or S16 or S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:18
S19	0	S18 and (patch with clamping with multiple with electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:18
S20	13	S18 and (patch with clamp with multiple with electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:18
S21	4	S18 and (patch with clamp\$3) and (electrode with multiple with sensing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:21
S22	4	S18 and ((patch with clamp\$3) and (electrode with multiple with sensing))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:21
S23	0	S18 and ((patch with clamp\$3) and (needle with plurality with sensing with electrode))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:22
S24	3	S18 and ((patch with clamp\$3) and (needle with plurality with sensing with electrode))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:22
S25	0	S18 and ((patch with clamp\$3) and (wire with plurality with sensing with electrode))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:27
S26	4	("6609018").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/03/19 10:33
S27	591	S18 and (patch adj clamping)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:34
S28	154	S27 and (wire or needle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:34
S29	134	S28 and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:34
S30	10	"10104300"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:36
S31	2	S27 and (ring with electrode with (wire or needle))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:48
S32	57	(needle or wire) with electrode with multiple with ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 10:52
S33	4	("3204634").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/03/19 11:57

S34	3	S18 and (patch with clamp with needle with electrode with cell)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/03/19 12:03
S35	154	S18 and (patch with clamp\$3 with electrode with cell)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/03/19 12:08
S36	22	("20020093641"   "20020127144"   "20020182627"   "20030178310"   "20030178310"   "4578167"   "6440285"   "6492175"   "6749736"   "6437551"   "6492175"   "6749736"   "6801311").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 14:32
S37	33589	schnelle.in. or pfennig.in. or muller.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 14:33
S38	63	S37 and microfluidic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 14:34
S39	4	"2003066191"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 14:39
S40	11	"10248653"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 14:40
S41	2	("6492175").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/03/19 14:47
S42	1	microfluidic and ((gate or sorter or trap or fix) with electrode with branch with channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 17:01
S43	173	((gate or sorter or trap or fix) with electrode with branch with channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 17:02
S44	7	((gate or sorter or trap or fix) with electrode with branch with flow with channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 17:07
S45	1136	((gate or sorter or trap or fix or object) with branch with channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 17:21
S46	186	((gate or sorter or trap or fix or object) with electrode with branch with channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/19 17:21
S47	21	creatinase with creatin\$5 with sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/25 13:07
S48	4	("4128456").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/03/25 13:51
S49	2	("4882281").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/03/25 13:56

S50	1	"11920782"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 10:42
S51	3438	435/461,287.1,817.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 10:50
S52	89	S51 and (patch with clamp)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 10:50
S53	85	S51 and ((patch with clamp) and electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 10:51
S54	1	"11837157"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 10:56
S55	1	"12005548"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 11:08
S56	4	((("4692231") or ("5469048"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/03/26 11:09
S57	1	"11856228"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 11:12
S58	1	"10523304"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 12:00
S59	4	"09575377"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 12:14
S60	1	"11634710"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 13:55
S61	2	"20040182707"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 16:28
S62	1	"10523304"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 16:56
S63	20	suction with conductivity with measurement	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 17:07
S64	19	ag/agcl with wire with electrode with leads	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 18:03
S65	629	ag/agcl with wire with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 18:04
S66	30	S65 and (patch with clamp)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 18:04
S67	11	(patch with clamp) and (multiple with lead with electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 18:06

S68	67	(patch with clamp) and (ring near3 electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 18:08
S69	2289	wire with multiple with electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 18:12
S70	2289	wire with multiple with electrodes	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/26 18:12
S71	678	wire with multiple with electrodes	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/03/26 18:12
S72	153	wire near3 multiple near3 electrodes	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/03/26 18:13
S73	5278	patch adj clamp	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 11:15
S74	3078	(patch adj clamp) near5 cell	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 11:16
S75	167	(patch adj clamp) near5 cell near5 electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/11/02 11:16

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	237	(cell with holding with electrode).clm.	USPAT; UPAD	OR	ON	2010/11/02 18:02
L2	0	(cell with holding with electrode with needle).clm.	USPAT; UPAD	OR	ON	2010/11/02 18:03
L3	7	(cell with holding with electrode with (sheath or cover or sleeve)).clm.	USPAT; UPAD	OR	ON	2010/11/02 18:04
L4	0	(patch with clamp with electrode with (sheath or cover or sleeve)).clm.	USPAT; UPAD	OR	ON	2010/11/02 18:04
L5	11	(patch with clamp with (needle or electrode)).clm.	USPAT; UPAD	OR	ON	2010/11/02 18:05
L6	117	(cell near5 holding with electrode).clm.	USPAT; UPAD	OR	ON	2010/11/02 18:09
L7	36	(electrode with needles with (sheath or cover)).clm.	USPAT; UPAD	OR	ON	2010/11/02 18:11
L8	8	(cell with electrophysiologic\$5 with electrode).clm.	USPAT; UPAD	OR	ON	2010/11/02 18:13
L9	2393	204/403.01,450.ccls. or 435/285.2,285.3.ccls. or 422/50.ccls.	USPAT; UPAD	OR	ON	2010/11/02 18:17
L10	4190	204/403.01,450.ccls. or 435/285.2,285.3,287.1,817.ccls. or 422/50.ccls.	USPAT; UPAD	OR	ON	2010/11/02 18:19
L11	44	10 and ((patch adj clamp) near5 cell)	USPAT; UPAD	OR	ON	2010/11/02 18:19

L12	17	10 and ((cell adj holding) with electrode)	USPAT; UPAD	OR	ON	2010/11/02 18:20
L13	27	10 and (electrode with (penetrat\$5 or pierc\$5 or punctur\$5) with cell)	USPAT; UPAD	OR	ON	2010/11/02 18:21
L14	34	10 and ((needle or electrode) with (penetrat\$5 or pierc\$5 or punctur\$5) with cell)	USPAT; UPAD	OR	ON	2010/11/02 18:21
L16	4	1 and ((patch adj clamp) near5 cell)	USPAT; UPAD	OR	ON	2010/11/02 18:26
L19	1220	"15" and ((needle or electrode) with (penetrat\$5 or pierc\$5 or punctur\$5) with cell)	USPAT; UPAD	OR	ON	2010/11/02 18:26
L34	1053	422/82.01,82.02.ccls.	USPAT; UPAD	OR	ON	2010/11/02 18:37
L35	7	34 and ((patch adj clamp) near5 cell)	USPAT; UPAD	OR	ON	2010/11/02 18:37

11/ 2/ 2010 6:41:22 PM

C:\ Documents and Settings\ JDIETERLE\ My Documents\ EAST\ Workspaces\ 10523304b.wsp